

**(19) World Intellectual Property Organization**  
International Bureau



**(43) International Publication Date**  
**13 October 2005 (13.10.2005)**

**PCT**

**(10) International Publication Number**  
**WO 2005/096643 A1**

**(51) International Patent Classification<sup>7</sup>:**

**H04Q 7/22**

**(74) Agent:** D YOUNG & CO; 120 Holborn, London EC1N 2DY (GB).

**(21) International Application Number:**

PCT/GB2005/001227

**(22) International Filing Date:** 29 March 2005 (29.03.2005)

**(25) Filing Language:** English

**(26) Publication Language:** English

**(30) Priority Data:**

0407009.0 29 March 2004 (29.03.2004) GB  
0417875.2 11 August 2004 (11.08.2004) GB

**(81) Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

**(71) Applicant** (for all designated States except US): INTELL-PROP LIMITED; PO Box 626, National Westminster House, Le Truchot St Peter Port, Guernsey (GB).

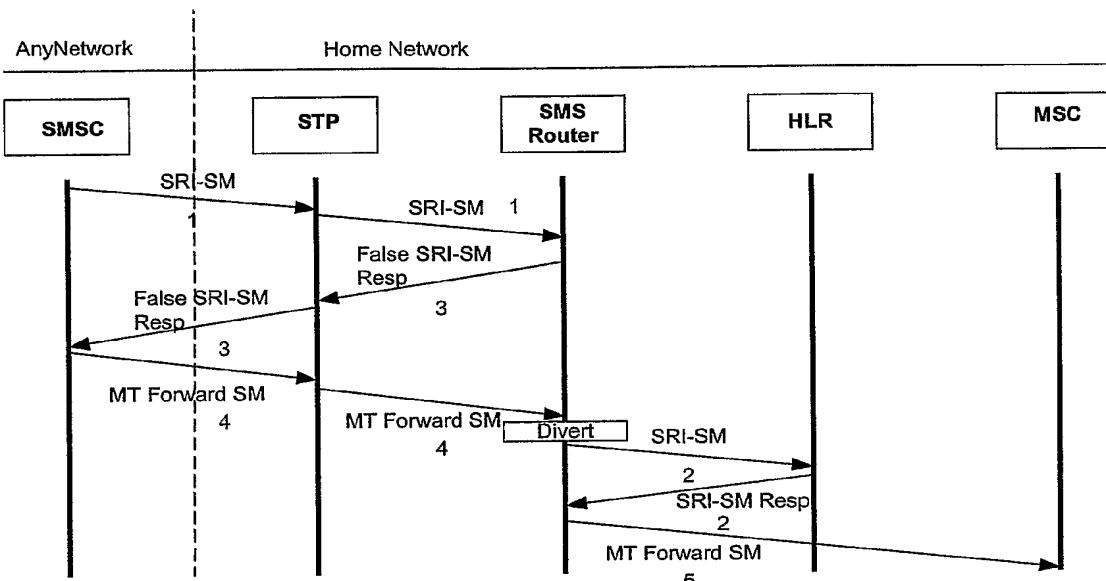
**(72) Inventor; and**

**(75) Inventor/Applicant** (for US only): WILSON, Jeffrey [GB/GB]; 53 Kiln Road, Fareham, Hampshire PO16 7OH (GB).

**(84) Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

**(54) Title:** TELECOMMUNICATIONS SERVICES APPARATUS AND METHOD FOR MODIFYING THE ROUTING OF MOBILE TERMINATED SHORT MESSAGES (SMS)



**(57) Abstract:** A flag in a home location register of a telephone network is used to control availability of processing features, such as text message SMS processing features, to the message recipient, providing functionality similar to "class of service" in a normal telephone exchange. Mobile terminated sort messages (SMS-MT) are always routed through the home PLMN of the recipient by modifying the response to the SRI-SM signal. Instead of delivering the address of the visited MSC of the recipient, the address of a SMS router in the home PLMN is sent back to the interrogating SMSC.



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*